Monthly Project Activities Summary Report
Sherwin-Williams Emeryville Facility, Emeryville, CA
Per DTSC Order IS/E 05/06-007
October 2011

1. Community Safety Plan

Current version is always available at the DTSC Envirostor, click here. Current version was last updated on April 26, 2011.

2. Soil Excavation, Off-Site Transport and Water Treatment

The following non-excavation activities were performed at the Site during October.

- Dust vapor and odor control measures continued to operate during working hours. Control measures include: windscreens, water with surfactant spray/mist systems, and dust suppressants, including HydroSeal on exposed impacted soil excavation and stockpile surfaces. The east side misters along Horton Street were in operation through the third week in October and dust control method in this area was transitioned to periodic wetting of soil with water trucks. These misters were turned off to accommodate personal installing lagging for the shoring wall directly under the misters. The remaining soil to be excavated by this date was the material adjacent to the shoring wall along Horton Street. This soil was wet due to being below the groundwater table and had low potential for dust generation. The north side misters were turned off during the latter half of October once the excavation of material in the north half of the excavation area was complete. The south side misters turned off during the last week of the month. Dust control method in these areas was also transitioned to periodic wetting of soil with water trucks.
- Entrance and exit to and from the exclusion zone is controlled to assure proper personal protective equipment and decontamination of vehicles and equipment is followed.
- Street sweeping of truck haul routes both on and off the Site and Sherwin Street (not part of truck haul route) continued to occur. Street sweeping begins daily at 7 am and continued past last truck exit of each day to assure Halleck Street remains in acceptable condition.
- A total of approximately 35,659 CY of imported clean low hydraulic conductivity backfill soil (low k materials) and 4,425 CY of imported clean high hydraulic conductivity backfill soil (high k materials) were brought into the Site and stockpiled in the clean backfill stockpile areas on the south side of the Site. Both materials were transferred into the excavation area prior to and during backfill placement and compaction. Through the end of October, approximately 55% of the anticipated backfill material had been placed and compacted following removal of the excavated material.

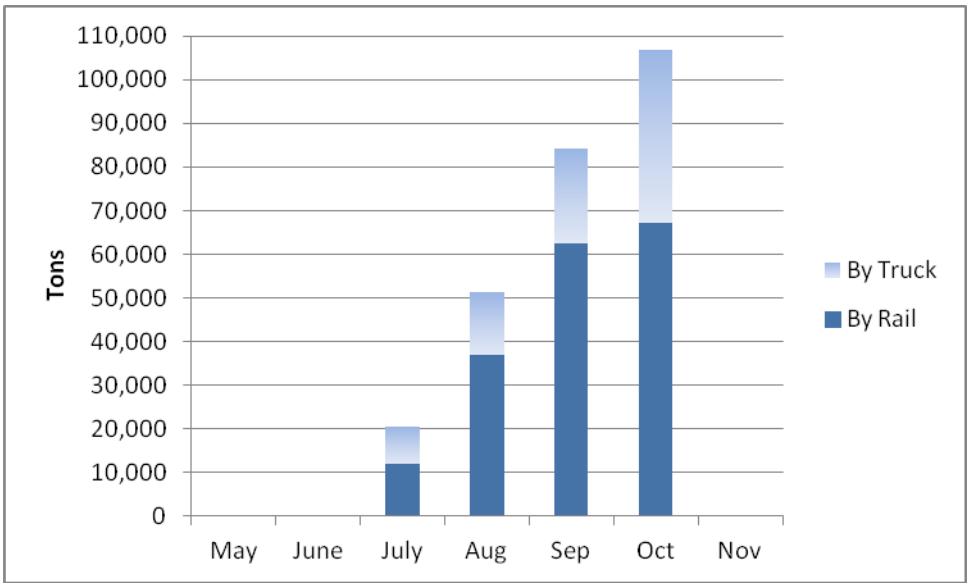
The following excavation activities were performed at the Site during October:

- During the month of October excavation proceeded in the deeper saturated soil layers. This occurred in Excavation Layers 4 through 8, as shown in the attached Figures 1

through 7. Through the end of October, approximately 93% of the anticipated material to be excavated had occurred.

- The first section of the slurry wall extension was initiated on October 24 and completed on November 02. The second of two sections is planned for installation in December.
- A 40-car unit train containing category 2 excavated materials (approx. 4,380 tons) was transported to ECDC in Carbondale, UT on October 12, 2011.
- A 63-car unit train containing category 2 excavated materials (approx. 6,899 tons) was transported to ECDC in Carbondale, UT on October 27, 2011. This is the final unit train (combined rail car train between 40 and 72 cars) for the site. All remaining railcars will be sent by manifest.
- Throughout October, 2011, stockpiling of excavated material was segregated by material types, prior to sampling and loading for offsite transport. Rail cars transported hazardous excavated materials to treatment and disposal facilities in Utah and Idaho via adjacent rail lines. Trucks transported non-hazardous excavated materials to disposal facilities via surface streets and adjacent highways to local landfills in Alameda and Contra Costa counties. The chart below shows accumulated tonnage transported offsite through the end of October 2011.
- On October 3, 2011, 15 loads of category 2 excavated material (334.26 tons) were transported by truck to Vasco Landfill in Livermore, California in Contra Costa County. This 334.26 tons of material was placed in a segregated stockpile at Vasco Landfill. Operators at the Site determined these loads should have been transported for disposal to ECDC Landfill in East Carbon, Utah. The operators at the Vasco Landfill were immediately notified and the stockpiled material was isolated and labeled for transfer to ECDC Landfill. On October 4 and 5, 2011, 20 loads of material (342.41 tons) were loaded and transported by truck from this stockpiled material at Vasco Landfill to San Francisco Bay Railroad Yard for transfer by railcars to ECDC Landfill. A net increase of 8.15 tons was realized due to excavation of clean native soil beneath the stockpiled material at Vasco Landfill. This was done to assure all the isolated material was removed and transported to the ECDC Landfill.

Excavated materials transported off-site (in accumulated tons by month):



Total truck loads out:	759	in this month;	1650	total.
Total rail car loads out:	109	in this month;	613	total.

The following groundwater extraction and treatment activities and stormwater management activities were performed at the Site during September:

- Groundwater was pumped from several low areas on the south end of the excavation. Seepage into the excavation was diverted away from the north sidewall (Rifkin property) towards the south end sumps by using a number of trenches. The water was pumped to the onsite water treatment plant, was pre-treated and discharged in accordance with EBMUD permit requirements continuously throughout the month. Average discharge during the month varied between 15 and 50 gpm with a discharge of approximately 31 gpm during the last full week of the month.
- Submitted to EBMUD quarterly discharge report accordance with EBMUD permit requirements.
- Submitted NPDES permit standby status letter report to Water Board as requirement for quarterly reporting. No discharge occurred under the NPDES permit during his last quarter as the EBMUD permit was utilized for Site water discharge needs.
- Submitted quarterly groundwater self-monitoring data summary report to DTSC.
- Groundwater levels were measured weekly in October at selected onsite and offsite wells. Water levels in the Rifkin property wells surrounding just north of the excavation

have dropped between approximately 3.5 and 4.5 feet since dewatering of the excavation began.

- Continued to implement Storm Water Pollution Prevention Plan (SWPPP) controls during Remedial Action.
- Several days of measureable precipitation occurred in October. During these days, and in accordance with EBMUD permit requirements, discharge to the sanitary sewer was temporarily ceased. Treated water was stored onsite during this time and, as needed, hauled offsite by truck to EBMUD wastewater plant.

3. Perimeter Air Monitoring Results

- Seven air monitoring stations (AMS) surround the site and measure respirable particulate matter less than 10 micrometers (RPM10) in size and total volatile organic compounds (TVOC) concentrations continuously. A weather station is operating and monitoring wind speed and direction, temperature and relative humidity. Perimeter real-time air monitoring for dust and total volatile organics were performed continuously, seven days a week, 24 hours a day, throughout the month of October 2011, with minor interruptions due to radio interferences as described below.
- DTSC approved the termination of daily perimeter air sampling in August 2011 due to the effectiveness of dust and vapor control measures as verified by real time monitoring and its correlation with perimeter air sampling. For the remaining project duration, perimeter air sampling will be performed if levels of TVOC/metals concentrations are expected to be of in the excavation area. However, stated below in discussion on upcoming activities, the remaining materials to be excavated are presumed to be categories 1 through 3 excavated materials and perimeter air sampling is not anticipated to be required.
- Weekly reports presenting the real time perimeter air monitoring results have been posted to the DTSC website through the month of October. Daily reports presenting real time perimeter air monitoring results have been posted on the community board at the corner of Sherwin and Horton Streets through the month of October.
- As presented in the daily and weekly reporting, no exceedances of action levels occurred during the month. Air Quality charts showing running averages through the end of October are provided in the attached Figure 8 and 9.
- Wind rose data is generated daily from the site weather data station. A cumulative wind rose for the month of October is shown in Figure 10.
- The air monitoring system experienced intermittent communication failures the week ending Friday, October 21st, lasting through the weekend and into Monday and Tuesday, October 24th and 25th. In most cases continuous data from the air monitoring

system was recoverable from the data logs of the AMS equipment itself. Data from AMS 1 and AMS 2, during the weekend of October 22nd through 23rd, was not recoverable due to power failure at those stations. No soil moving or excavation activities took place during that period and no adverse air quality impacts are anticipated to have occurred based on the data recovered from the other air monitoring stations. Personnel from the AMS manufacturer (Air Logics) were onsite on Monday, October 24th and were able to restore AMS functionality.

4. Other Project News

- Completed installation of haiku poems, as well as mural at north entrance.
- Street material in the vicinity of the Site were sampled and analyzed In September, and reported to DTSC in a memorandum dated October 5, 2011.

5. Coming up Next in November

- Excavation of remaining vadose zone soils (above elev. +10) in the western portion of the main excavation area. This area is estimated to be approximately 4 feet in thickness and extents approximately 50 feet to the west of the deeper (to elev. -11) excavation area.
- In accordance with established remedial objectives, excavate permeable materials observed in saturated soil side walls having over 4 feet of aggregate thickness.
- The remaining excavation of the vadose and saturated soils is projected to generate both hazardous and non-hazardous material for transport and disposal. Hazardous material will continue to be transported off site by rail car.
- Remove shoring wall system included lagging, steel plating and shoring piles.
- Slurry wall breaches are planned for installation.
- Interceptor trench and membrane barrier construction on north property line adjacent to Novartis property is planned for start in late November and continue into December.
- Continue stockpiling of excavated materials for characterization of material for offsite transport and disposal.
- Continue load out of hazardous excavated materials by rail car and non-hazardous excavated materials by truck.
- Continue importing and stockpiling of clean backfill material to be used for backfill following excavation.

- Dust and vapor control, and perimeter air monitoring will continue throughout the month of November.
- Continue to divert and pump groundwater seepage into the onsite water treatment plant for treatment and disposal into the sanitary sewer. Water treatment and discharge operations will continue in accordance with EBMUD permit requirements.

- Conduct weekly (during remedy implementation) groundwater level measurements and quarterly (during remedy implementation) groundwater sampling event.
- Communications, outreach to area residents and monitoring of and response to hotline calls will continue.

6. Communication

- The project team is committed to responding to direct communication from community members.
- The Public Liason for the 45th St Artists' Coop was onsite and viewed the site activities from windows overlooking the excavation. Questions were answered and the site activities and work flow was described by the General Contractors Superintendant.
- There was no direct communication received during the month of October.

7. Community Telephone Complaint Hotline

- Two hotline calls were received during the month of October. The nature of the calls and the follow up information that was provided are listed below:

> ***"An odor similar to automotive parts cleaner was observed in the air on October 25 at 3:57 p.m."***

In response to elevated readings from the AMS and the complaint CDM deployed personnel to confirm whether an odor was present. The complainant indicated that the odors were noticed along Sherwin adjacent to AMS #4 and AMS #5. For the period in question, TVOC readings at AMS #4 and #5 ranged from 0.08 ppm to 0.2 ppm, below the subchronic action level of 0.5 ppm for TVOCs. CDM personnel deployed to the area confirmed that an odor, apparently emanating from recently stockpiled soil, was present. CDM requested that the stockpiles be immediately covered. The site received a subsequent visit from a Bay Area Air Quality Management District (BAAQMD)

representative, also responding to the complaint. The BAAQMD representative was shown around the site. The BAAQMD left the Site stating no additional follow up was required.

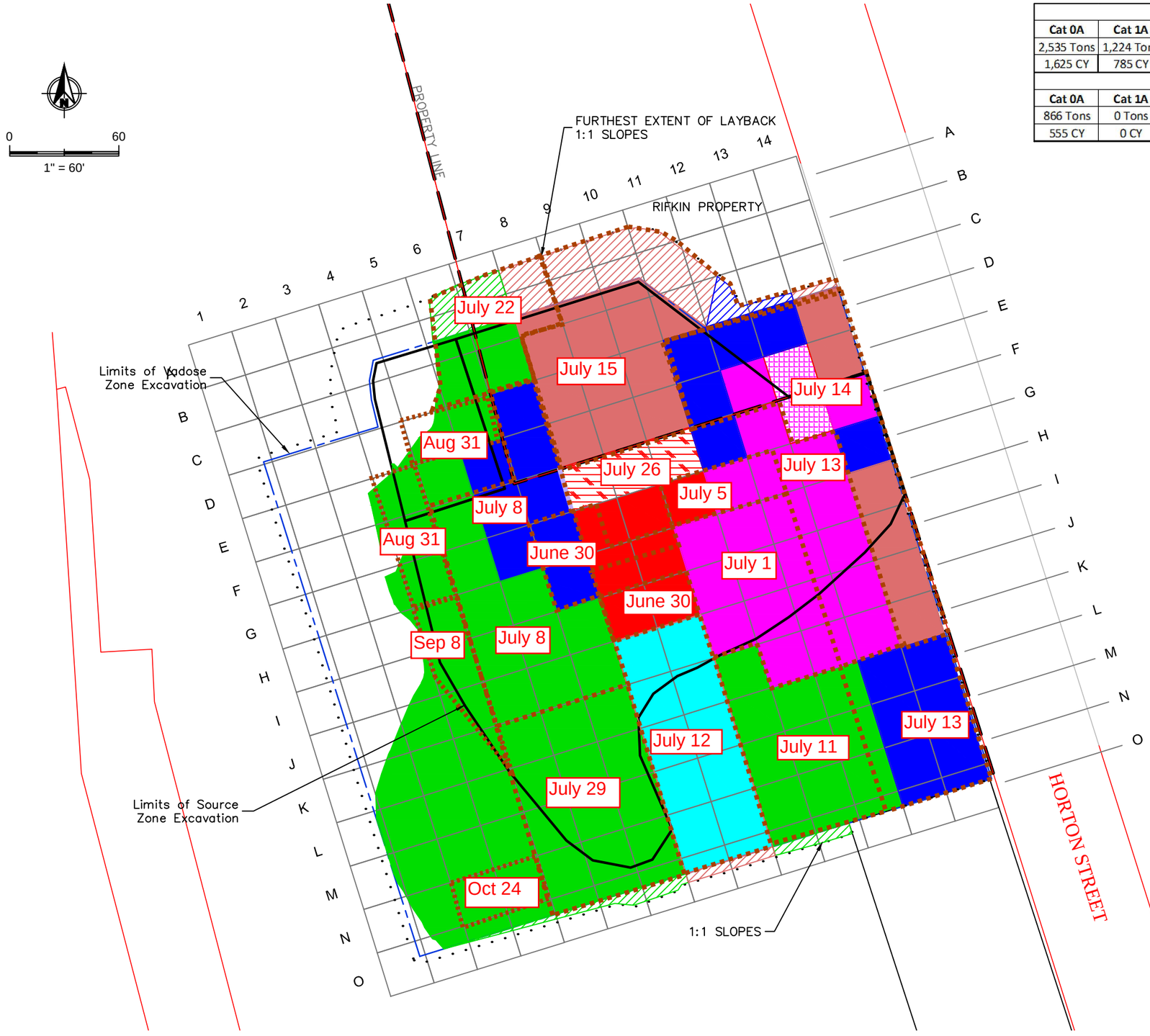
"Cannot find street soil sampling results" Call was received on October 14 at 11:23 a.m.

CDM personnel contacted the complainant and directed the complainant to the Street Surface Soil Material Sampling Technical Memorandum located on the DTSC's Envirostor website at (http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60000189I). The complainant was able to locate and download the document but expressed concern that the street sweeping program was not adequate.

For Project information, contact:
Nathan Schumacher, DTSC: 866-495-5651 (Mon-Friday, work hours)

To register a concern/complaint about the project activities, contact:
Project Complaint Hotline: 866-848-5307 (24 hrs/day)

Volumes of Each Waste/Disposal Category								
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
2,535 Tons	1,224 Tons	3,040 Tons	2,783 Tons	3,030 Tons	1,011 Tons	0 Tons	433 Tons	293 Tons	0 Tons
1,625 CY	785 CY	1,949 CY	1,784 CY	1,943 CY	648 CY	0 CY	278 CY	188 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
866 Tons	0 Tons	58 Tons	50 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
555 CY	0 CY	37 CY	32 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY



LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

Category 0-A
Non-Hazardous Class II Daily Cover,
possible direct-load
based on in-place non-haz and arsenic below
24 mg/kg, actual landfill criteria not known

Category 1-A
Non-Hazardous Class II, possible direct-load
based on in-place data, Bay Area landfills, truck

Category 1-B
Stockpile to confirm non-hazardous Class II,
Bay Area landfills, truck

Category 2
Stockpile to confirm non-RCRA waste,
ECDC Carbondale, rail

Category 3
Stockpile to confirm RCRA waste
not requiring treatment,
USEI Grandview, rail

Category 4
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization,
USEI Grandview, rail

Category 5
Stockpile to confirm RCRA w/UHCs waste
requiring chemical oxidation,
USEI Grandview, rail

Category 6
Stockpile to confirm RCRA w/UHCs waste
requiring thermal treatment,
CWM Arlington, rail

Category 7
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and chemical oxidation,
USEI Grandview, rail

Category 8
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and thermal treatment,
CWM Arlington, rail

FIGURE 1

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 2
Elevation +18 to +14

SHEET NO.: EX-3

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 3 of 11 / REV: 0

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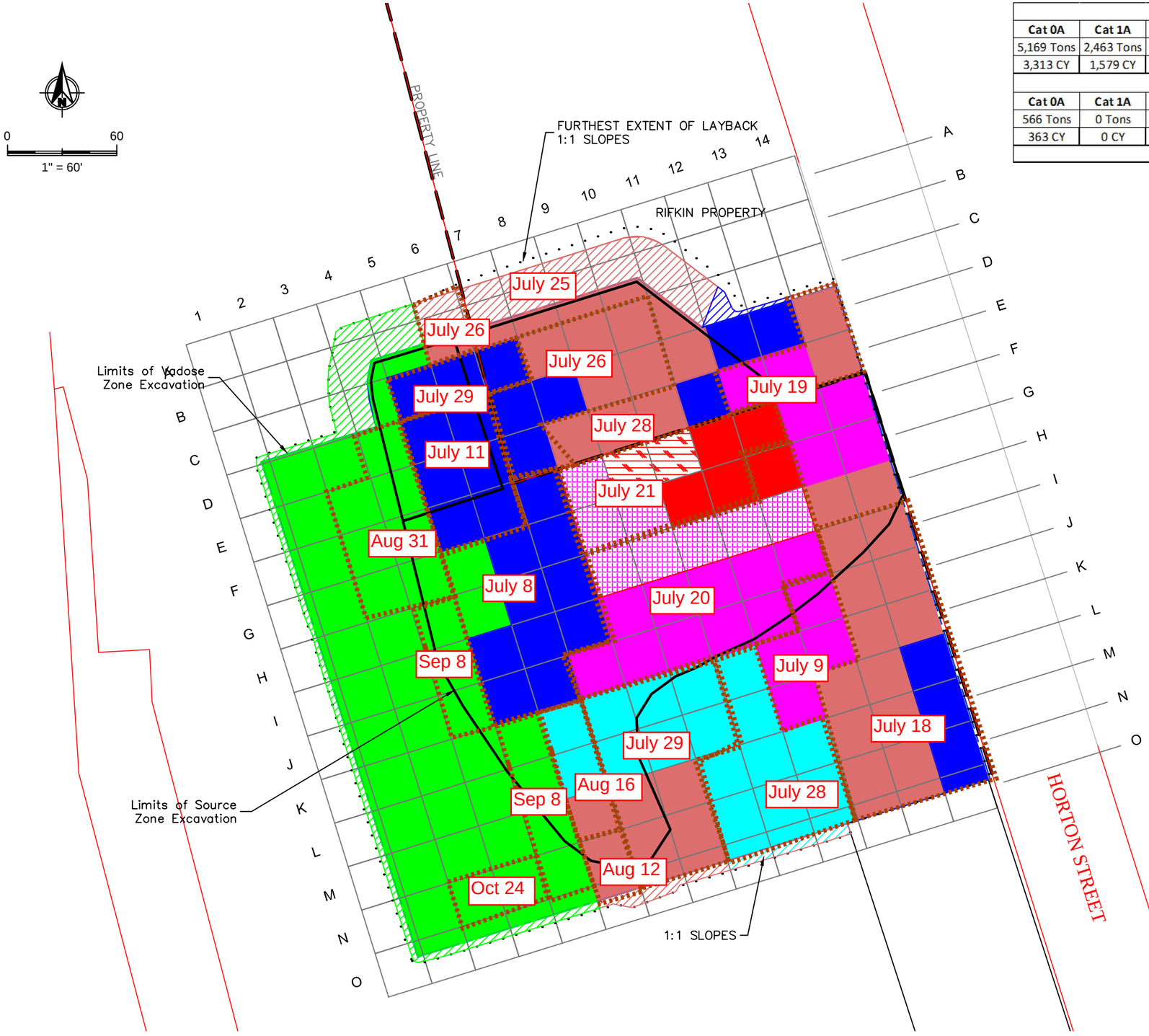

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
5,169 Tons	2,463 Tons	6,005 Tons	4,089 Tons	2,889 Tons	722 Tons	0 Tons	289 Tons	1,156 Tons	0 Tons
3,313 CY	1,579 CY	3,849 CY	2,621 CY	1,852 CY	463 CY	0 CY	185 CY	741 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
566 Tons	0 Tons	382 Tons	31 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
363 CY	0 CY	245 CY	20 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						45,122 Tons		28,199 CY	

LEGEND

1
A

Grid Location
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Axis
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Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

Category 0-A
Non-Hazardous Class II Daily Cover,
possible direct-load
based on in-place non-haz and arsenic below
24 mg/kg, actual landfill criteria not known

Category 1-A
Non-Hazardous Class II, possible direct-load
based on in-place data, Bay Area landfills, truck

Category 1-B
Stockpile to confirm non-hazardous Class II,
Bay Area landfills, truck

Category 2
Stockpile to confirm non-RCRA waste,
ECDC Carbondale, rail

Category 3
Stockpile to confirm RCRA waste
not requiring treatment,
USEI Grandview, rail

Category 4
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization,
USEI Grandview, rail

Category 5
Stockpile to confirm RCRA w/UHCs waste
requiring chemical oxidation,
USEI Grandview, rail

Category 6
Stockpile to confirm RCRA w/UHCs waste
requiring thermal treatment,
CWM Arlington, rail

Category 7
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and chemical oxidation,
USEI Grandview, rail

Category 8
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and thermal treatment,
CWM Arlington, rail

FIGURE 2

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 3
Elevation +14 to +10

SHEET NO.: EX- 4

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.	DWG NO.: 1483001–Soil Class Excav 110304	
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 4 of 11	REV: 0

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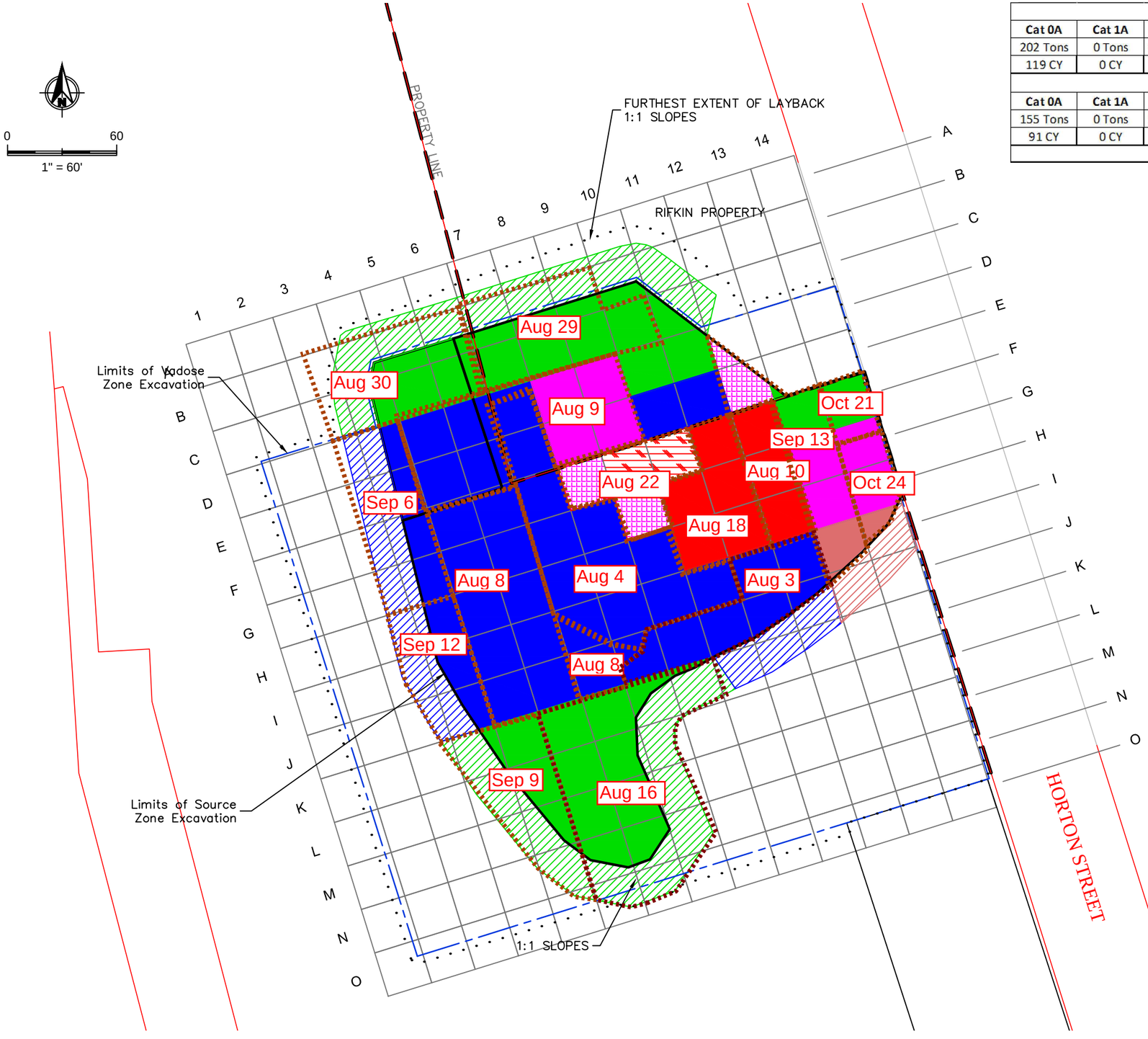
Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
202 Tons	0 Tons	3,702 Tons	6,199 Tons	1,259 Tons	1,259 Tons	0 Tons	315 Tons	485 Tons	0 Tons
119 CY	0 CY	2,178 CY	3,646 CY	740 CY	741 CY	0 CY	185 CY	285 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
155 Tons	0 Tons	1,445 Tons	663 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
91 CY	0 CY	850 CY	390 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						60,806 Tons		37,424 CY	



LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

- Category 0-A
  Non-Hazardous Class II Daily Cover,
  possible direct-load
  based on in-place non-haz and arsenic below
  24 mg/kg, actual landfill criteria not known
- Category 1-A
  Non-Hazardous Class II, possible direct-load
  based on in-place data, Bay Area landfills, truck
- Category 1-B
  Stockpile to confirm non-hazardous Class II,
  Bay Area landfills, truck
- Category 2
  Stockpile to confirm non-RCRA waste,
  ECDC Carbondale, rail
- Category 3
  Stockpile to confirm RCRA waste
  not requiring treatment,
  USEI Grandview, rail
- Category 4
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization,
  USEI Grandview, rail
- Category 5
  Stockpile to confirm RCRA w/UHCs waste
  requiring chemical oxidation,
  USEI Grandview, rail
- Category 6
  Stockpile to confirm RCRA w/UHCs waste
  requiring thermal treatment,
  CWM Arlington, rail
- Category 7
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and chemical oxidation,
  USEI Grandview, rail
- Category 8
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and thermal treatment,
  CWM Arlington, rail

FIGURE 3

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 4
Elevation +10 to +6

SHEET NO.: EX-5

DRAWN BY: J. Stone
LOCATION: Emeryville, CA.
DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas
SCALE: 1" = 60'
DATE: 03–18–2011
SHEET: 5 of 11
REV: 0

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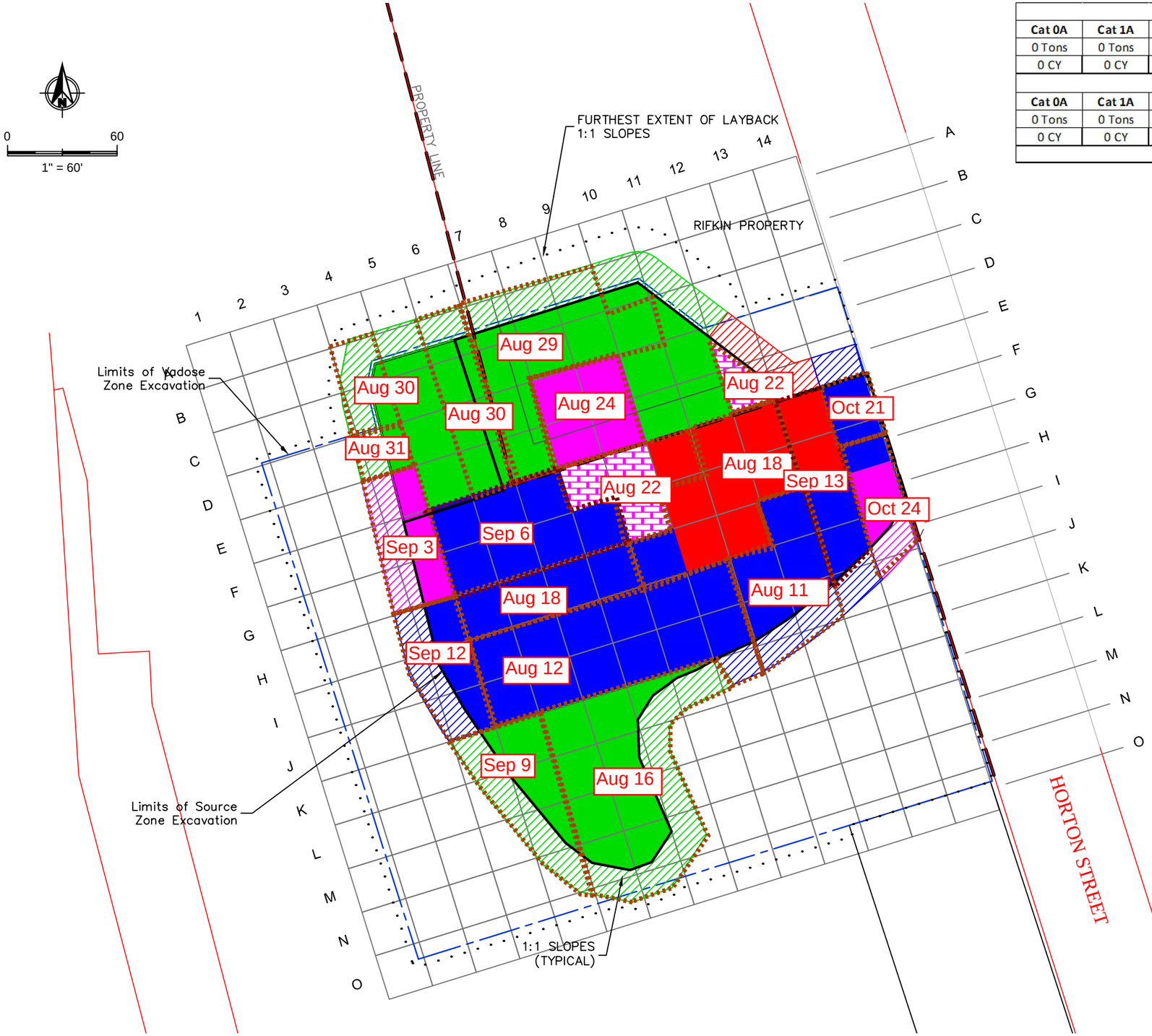
Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	4,718 Tons	5,343 Tons	1,135 Tons	1,574 Tons	651 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	2,775 CY	3,143 CY	667 CY	926 CY	383 CY	0 CY	0 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	1,219 Tons	435 Tons	224 Tons	138 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	717 CY	256 CY	132 CY	81 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						76,243 Tons		46,505 CY	



LEGEND

1
A

Grid Location
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Waste Categorization

- Category 0-A
  Non-Hazardous Class II Daily Cover,
  possible direct-load
  based on in-place non-haz and arsenic below
  24 mg/kg, actual landfill criteria not known
- Category 1-A
  Non-Hazardous Class II, possible direct-load
  based on in-place data, Bay Area landfills, truck
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  USEI Grandview, rail
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  Stockpile to confirm RCRA w/UHCs waste
  requiring thermal treatment,
  CWM Arlington, rail
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  requiring stabilization and thermal treatment,
  CWM Arlington, rail

FIGURE 4

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 5
Elevation +6 to +2

SHEET NO.: EX-6

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 6 of 11 / REV: 0

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Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	5,028 Tons	5,107 Tons	1,149 Tons	787 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	2,958 CY	3,004 CY	676 CY	463 CY	0 CY	0 CY	0 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	0 Tons	962 Tons	279 Tons	148 Tons	141 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	0 CY	566 CY	164 CY	87 CY	83 CY	0 CY	0 CY	0 CY	0 CY
					Total Accumulated Volume	89,844 Tons		54,505 CY	

0 60

1" = 60'

PROPERTY LINE

FURTHEST EXTENT OF LAYBACK
1:1 SLOPES

Excavation to Elevation +0
on Rifkin property

RIFKIN PROPERTY

Limits of Vadose
Zone Excavation

Limits of Source
Zone Excavation

1:1 SLOPES
(TYPICAL)

HORTON STREET

45TH AVE

Aug 29
Aug 30
Aug 25
Oct 21
Aug 31
Aug 24
Aug 24
Oct 24
Sep 13
Sep 7
Sep 6
Aug 24
Aug 23
Sep 12
Aug 15
Sep 9

LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

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Non-Hazardous Class II Daily Cover,
possible direct-load
based on in-place non-haz and arsenic below
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Category 1-A
Non-Hazardous Class II, possible direct-load
based on in-place data, Bay Area landfills, truck

Category 1-B
Stockpile to confirm non-hazardous Class II,
Bay Area landfills, truck

Category 2
Stockpile to confirm non-RCRA waste,
ECDC Carbondale, rail

Category 3
Stockpile to confirm RCRA waste
not requiring treatment,
USEI Grandview, rail

Category 4
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization,
USEI Grandview, rail

Category 5
Stockpile to confirm RCRA w/UHCs waste
requiring chemical oxidation,
USEI Grandview, rail

Category 6
Stockpile to confirm RCRA w/UHCs waste
requiring thermal treatment,
CWM Arlington, rail

Category 7
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and chemical oxidation,
USEI Grandview, rail

Category 8
Stockpile to confirm RCRA w/UHCs waste
requiring stabilization and thermal treatment,
CWM Arlington, rail

FIGURE 5

M:\PROJECTS\Active Projects\1483001-Sherwin Williams\AutoCAD Excav DWGs\Excav Plan.dwg, Layer 6, 3/30/2011 2:02:41 PM

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

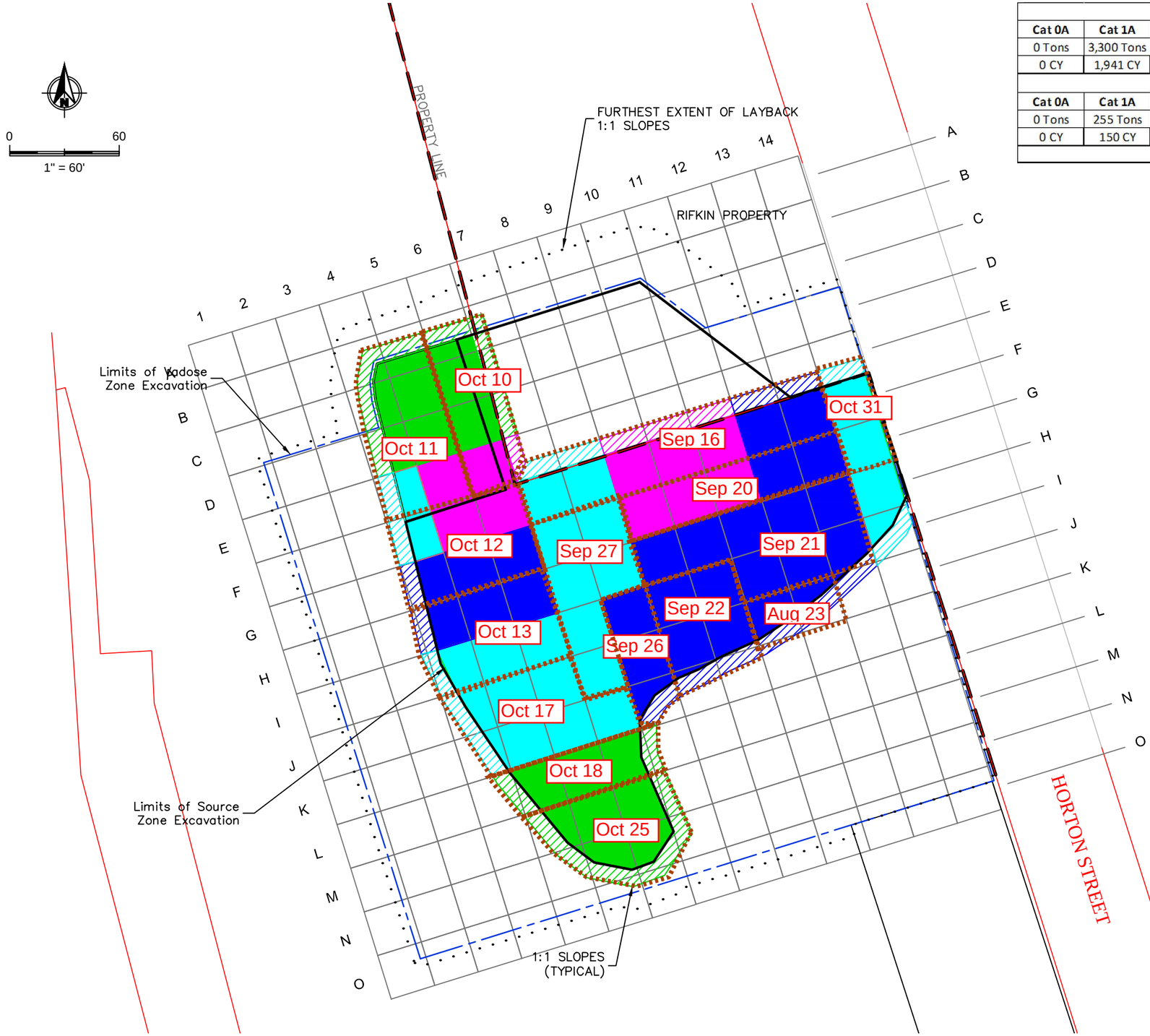
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE
Excavation Layer 6
Elevation +2 to -2

SHEET NO.
EX-7

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO. 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE 1" = 60'	DATE 03–18–2011	SHEET 7 of 11 / REV 0

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	3,300 Tons	1,925 Tons	3,921 Tons	1,574 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	1,941 CY	1,132 CY	2,306 CY	926 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	255 Tons	437 Tons	111 Tons	105 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	150 CY	257 CY	65 CY	62 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						101,472 Tons		61,345 CY	



LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

- Category 0-A
  Non-Hazardous Class II Daily Cover, possible direct-load based on in-place non-haz and arsenic below 24 mg/kg, actual landfill criteria not known
- Category 1-A
  Non-Hazardous Class II, possible direct-load based on in-place data, Bay Area landfills, truck
- Category 1-B
  Stockpile to confirm non-hazardous Class II, Bay Area landfills, truck
- Category 2
  Stockpile to confirm non-RCRA waste, ECDC Carbondale, rail
- Category 3
  Stockpile to confirm RCRA waste not requiring treatment, USEI Grandview, rail
- Category 4
  Stockpile to confirm RCRA w/UHCs waste requiring stabilization, USEI Grandview, rail
- Category 5
  Stockpile to confirm RCRA w/UHCs waste requiring chemical oxidation, USEI Grandview, rail
- Category 6
  Stockpile to confirm RCRA w/UHCs waste requiring thermal treatment, CWM Arlington, rail
- Category 7
  Stockpile to confirm RCRA w/UHCs waste requiring stabilization and chemical oxidation, USEI Grandview, rail
- Category 8
  Stockpile to confirm RCRA w/UHCs waste requiring stabilization and thermal treatment, CWM Arlington, rail

FIGURE 6

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PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

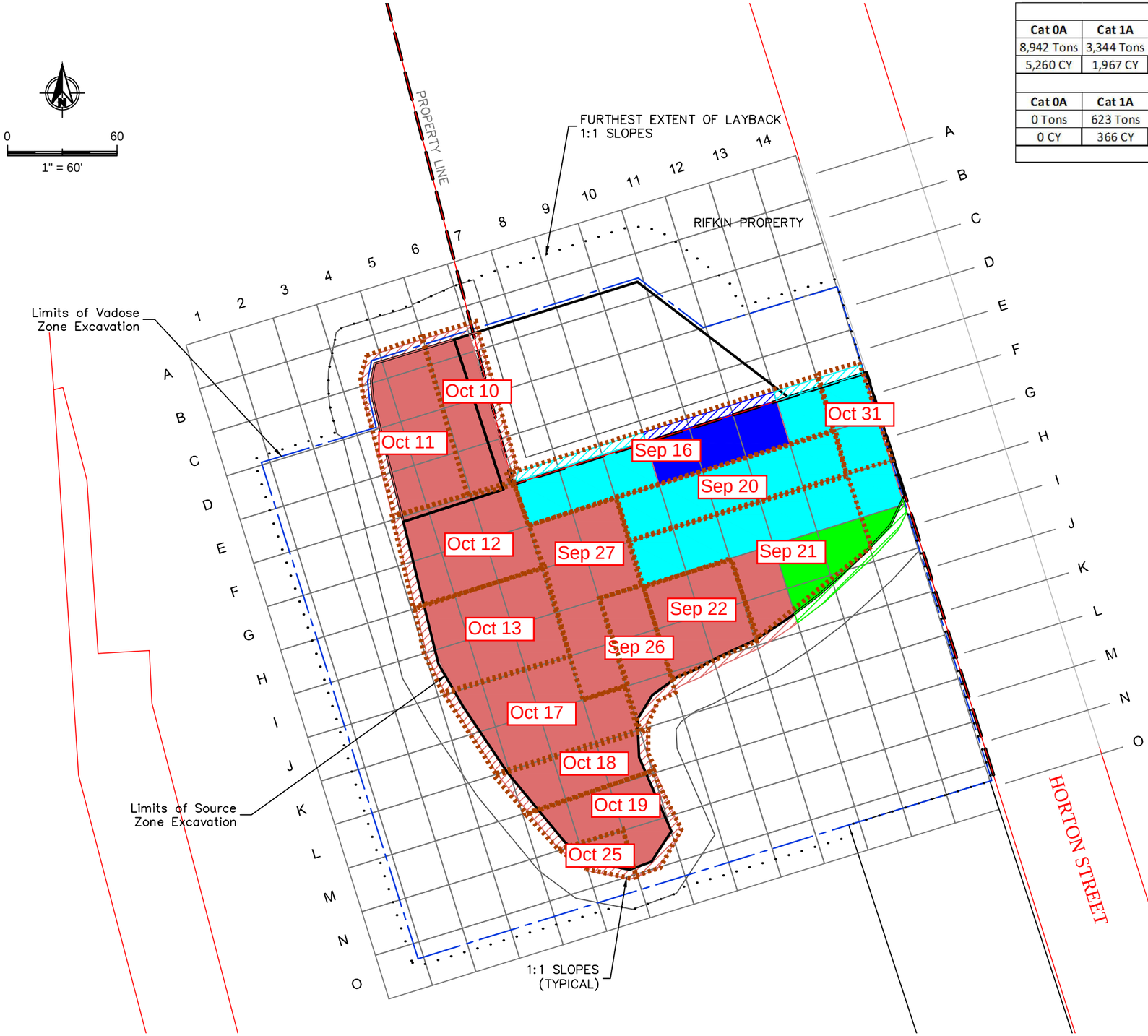
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 7
Elevation -2 to -6

SHEET NO.: EX-8

DRAWN BY: J. Stone
REVIEWED BY: T. Maestas
LOCATION: Emeryville, CA.
SCALE: 1" = 60'
DATE: 03-18-2011
DWG NO.: 1483001-Soil Class Excav 110304
SHEET: 8 of 11
REV: 0

Volumes of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
8,942 Tons	3,344 Tons	524 Tons	590 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
5,260 CY	1,967 CY	308 CY	347 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Additional Volumes for Layback of Each Waste/Disposal Category									
Cat 0A	Cat 1A	Cat 1B	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
0 Tons	623 Tons	68 Tons	59 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons	0 Tons
0 CY	366 CY	40 CY	35 CY	0 CY	0 CY	0 CY	0 CY	0 CY	0 CY
Total Accumulated Volume						115,622 Tons		69,669 CY	



LEGEND

1
A

Grid Location
25' x 25' x 4' = 93 BCY
Axis
X = Rows A-O
Y = Columns 1-14
Z = Elevation at Bottom of Excavation

Waste Categorization

- Category 0-A
  Non-Hazardous Class II Daily Cover,
  possible direct-load
  based on in-place non-haz and arsenic below
  24 mg/kg, actual landfill criteria not known
- Category 1-A
  Non-Hazardous Class II, possible direct-load
  based on in-place data, Bay Area landfills, truck
- Category 1-B
  Stockpile to confirm non-hazardous Class II,
  Bay Area landfills, truck
- Category 2
  Stockpile to confirm non-RCRA waste,
  ECDC Carbondale, rail
- Category 3
  Stockpile to confirm RCRA waste
  not requiring treatment,
  USEI Grandview, rail
- Category 4
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization,
  USEI Grandview, rail
- Category 5
  Stockpile to confirm RCRA w/UHCs waste
  requiring chemical oxidation,
  USEI Grandview, rail
- Category 6
  Stockpile to confirm RCRA w/UHCs waste
  requiring thermal treatment,
  CWM Arlington, rail
- Category 7
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and chemical oxidation,
  USEI Grandview, rail
- Category 8
  Stockpile to confirm RCRA w/UHCs waste
  requiring stabilization and thermal treatment,
  CWM Arlington, rail

FIGURE 7

PREPARED FOR:
SHERWIN–WILLIAMS
1450 SHERWIN AVE.
EMERYVILLE, CA

PREPARED BY:
ENVIROCON
1687 EUREKA ROAD, SUITE 200
ROSEVILLE, CA 95661

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

TITLE: Excavation Layer 8
Elevation -6 to -11

SHEET NO.: EX-9

DRAWN BY: J. Stone	LOCATION: Emeryville, CA.		DWG NO.: 1483001–Soil Class Excav 110304
REVIEWED BY: T. Maestas	SCALE: 1" = 60'	DATE: 03–18–2011	SHEET: 9 of 11 / REV: 0

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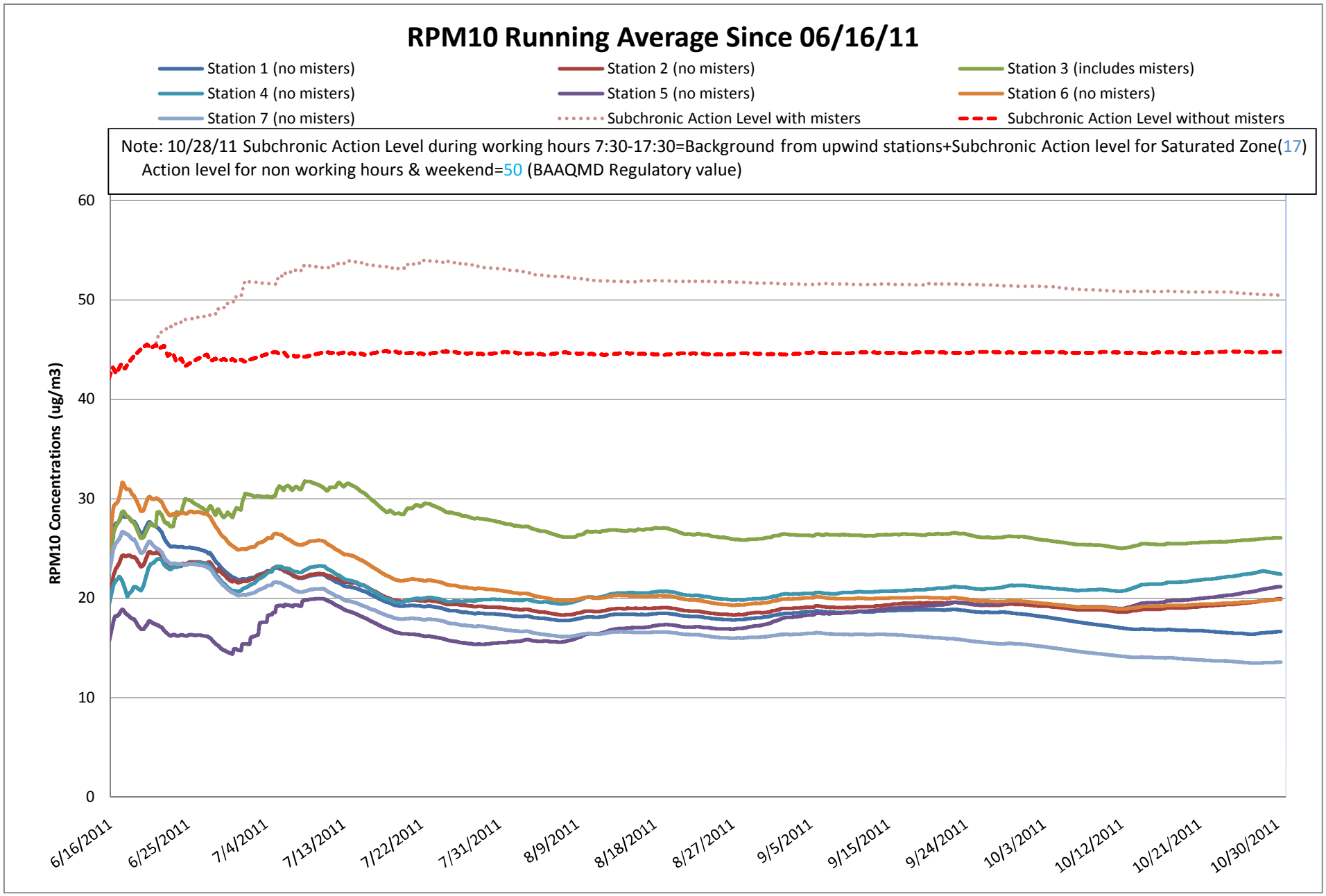
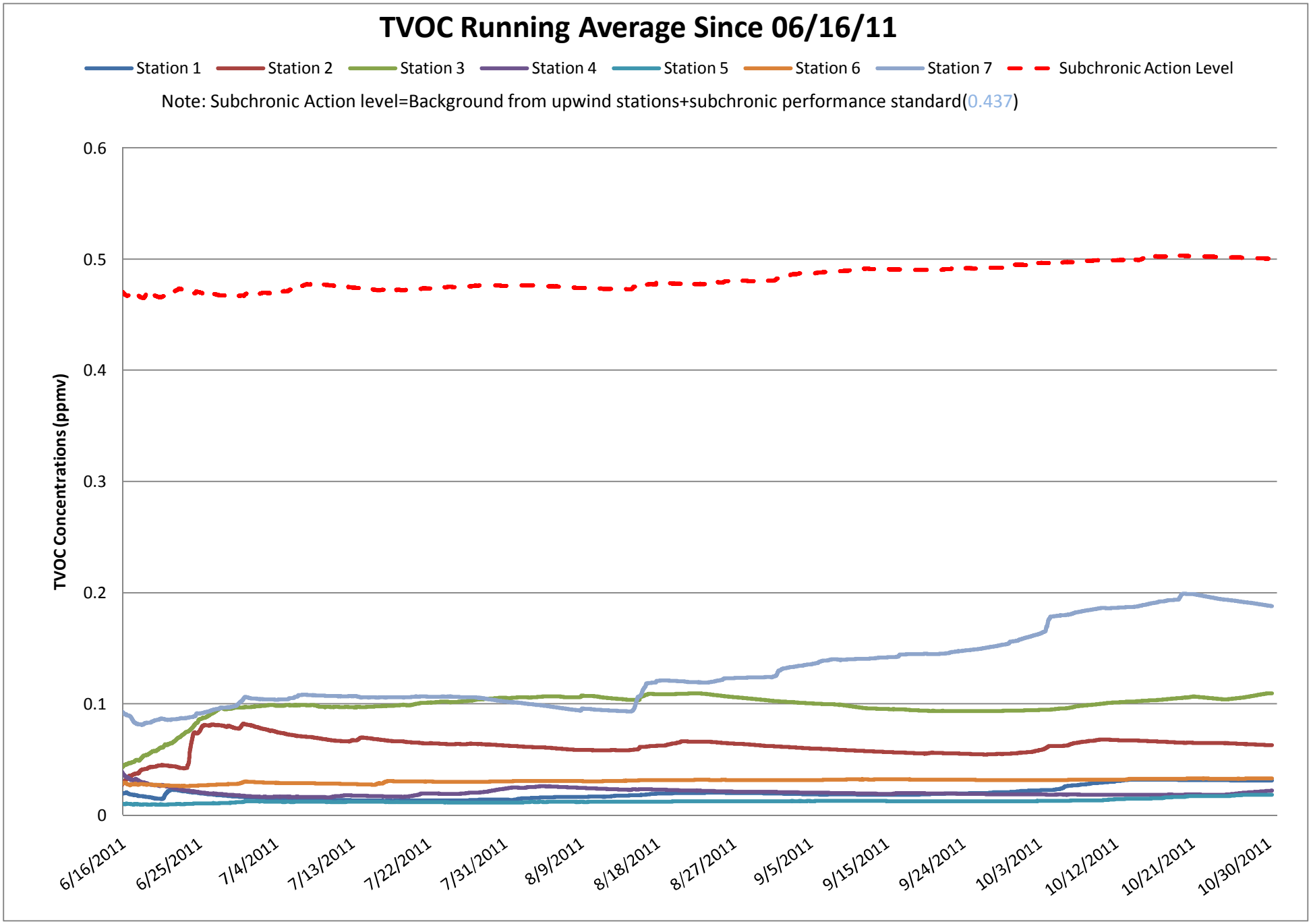
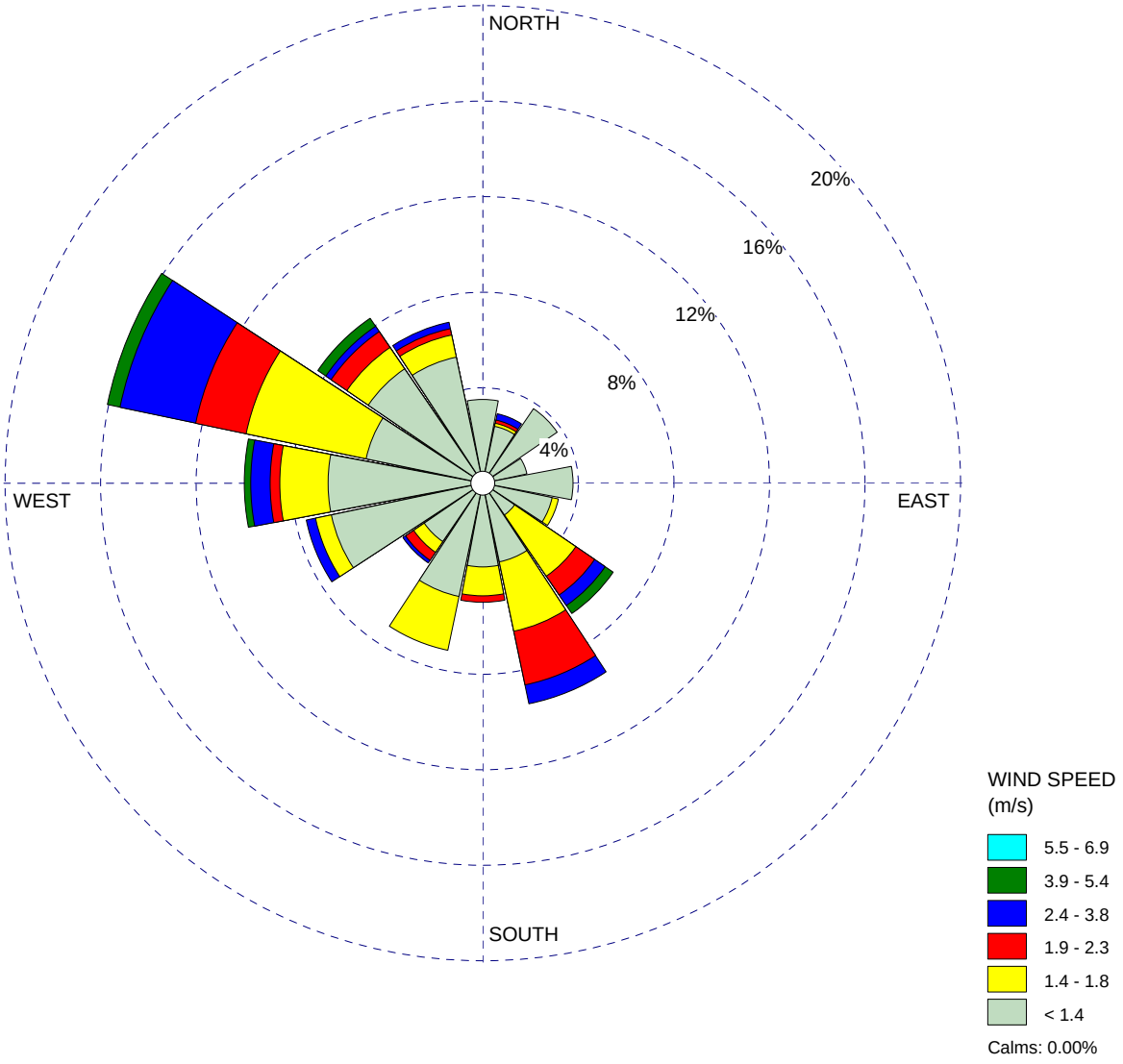

RPM10 Running Average Since 06/16/11
Station 1 (no misters)
Station 2 (no misters)
Station 3 (includes misters)
Station 4 (no misters)
Station 5 (no misters)
Station 6 (no misters)
Station 7 (no misters)
Subchronic Action Level with misters
Subchronic Action Level without misters
Note: 10/28/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Saturated Zone(17)
Action level for non working hours & weekend=50 (BAAQMD Regulatory value)
RPM10 Concentrations (ug/m3)
60
50
40
30
20
10
0
6/16/2011
6/25/2011
7/4/2011
7/13/2011
7/22/2011
7/31/2011
8/9/2011
8/18/2011
8/27/2011
9/5/2011
9/15/2011
9/24/2011
10/3/2011
10/12/2011
10/21/2011
10/30/2011


TVOC Running Average Since 06/16/11
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
Subchronic Action Level
Note: Subchronic Action level=Background from upwind stations+subchronic performance standard(0.437)
TVOC Concentrations (ppmv)
0.6
0.5
0.4
0.3
0.2
0.1
0
6/16/2011
6/25/2011
7/4/2011
7/13/2011
7/22/2011
7/31/2011
8/9/2011
8/18/2011
8/27/2011
9/5/2011
9/15/2011
9/24/2011
10/3/2011
10/12/2011
10/21/2011
10/30/2011

WIND ROSE PLOT:

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: **Start Date: 10/1/2011 - 00:00** **End Date: 10/31/2011 - 23:00**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **0.00%**	TOTAL COUNT: **743 hrs.**	
	AVG. WIND SPEED: **1.21 m/s**	DATE: **11/7/2011**	PROJECT NO.: